



Product Roadmaps

CIO Council Briefing

July 13, 2010



NORTHROP GRUMMAN

Agenda

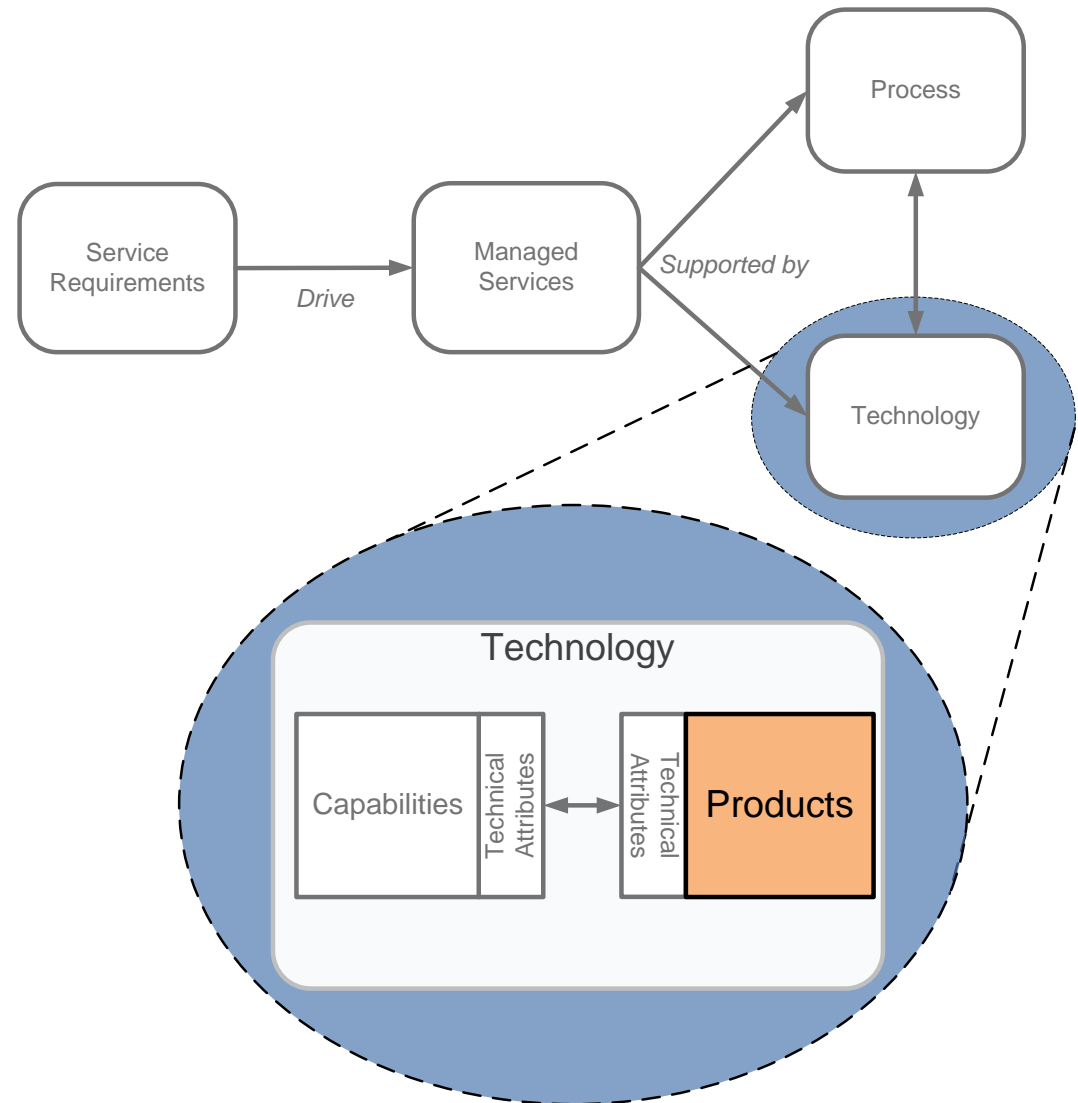
- Introduction
- Product Focus
- Roadmap Description
- Roadmap Data (Appendices)
 - Product Roadmaps (2010 status changes only)
 - Product Profile Example
 - Product List (Strategic Products only)

Introduction

- Managing technology/product changes and standardizing service offerings are essential for the VITA Program to achieve efficiencies in support and investment
- Northrop Grumman uses a structured methodology to govern the lifecycles of enterprise technologies
- Product roadmaps communicate availability status for the products that support managed services

Product Focus

- *Technology*, together with *Process* Supports the *Services* driven by *Requirements*.
- *Products* enable *Capabilities* required to meet service requirements
- Roadmap depicts Technology Lifecycle of Program Products



Product Roadmap Benefits

- Provide information specific to product lifecycle stages relative to the VITA program environment
- Guides planning, implementation and retirement of technology products
 - Communicate product status to the program as a guide for planning and implementation activity
 - Communicate to customers as a guide for availability and to support their IT planning processes

Product Roadmap Content

- **Product Roadmaps** – Illustrate the product availability phases for Partnership-supported products. Define scope and current support status.
- **Product Profiles** - Provide reference information, descriptions and general influences affecting the decision to implement release/version changes.
- **Product List** – List hardware and software products appearing on the roadmaps.

Product Availability Phases

Roadmaps divide product availability into four (4) phases

- **Strategic:** Most current Northrop Grumman supported version available. Investment in Strategic products is recommended
 - Software product availability generally lags OEM/Vendor availability date
 - Hardware product availability generally aligns with OEM/Vendor availability date
- **Static:** Generally have a more current Northrop Grumman supported version available but remain fully supported. Investment in Static products is only recommended when required to meet specific application or service dependencies.
- **Transitional:** Defined end of full Northrop Grumman support date established. Generally implies upgrade is planned/required. Investment in Transitional products is recommended solely to enable upgrading *Obsolete* products to *Strategic* products.
- **Obsolete:** Not fully supported by NG due to one or more conditions.

- Sample Roadmap Header Illustration

Hardware and Software Deployment Roadmap

Mainframe Services (VITA Program)

(PRODUCTS LISTED BELOW COMPRISE NG (VITA)-SUPPORTED TECHNOLOGIES AND THEIR PROJECTED RELEASE/VERSION AVAILABILITY FOR COMMONWEALTH-WIDE DEPLOYMENT)

ROADMAP NOTATION LEGEND:

PRODUCT AVAILABILITY

MMM-YY

"*" Denotes subject to periodic "block-point" (B) review and update only

PRODUCT VERSION AVAILABILITY:

AVAILABLE TECHNOLOGY

STRATEGIC

STATIC

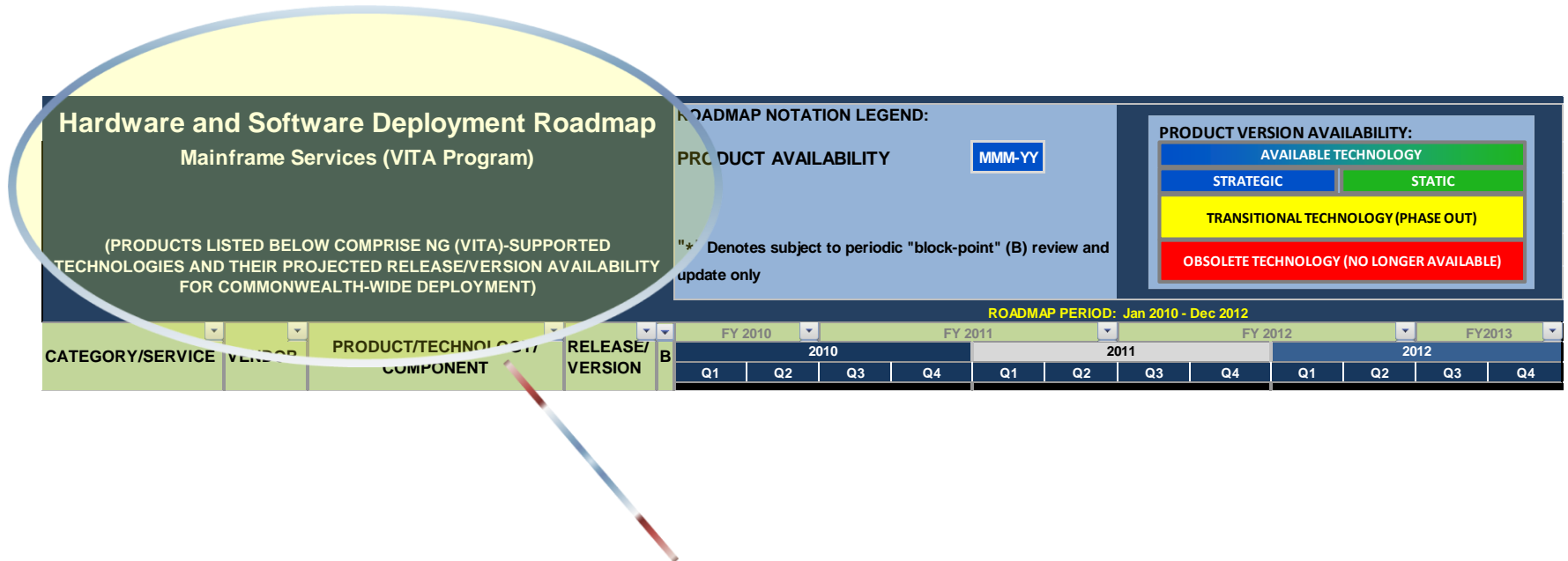
TRANSITIONAL TECHNOLOGY (PHASE OUT)

OBSOLETE TECHNOLOGY (NO LONGER AVAILABLE)

ROADMAP PERIOD: Jan 2010 - Dec 2012

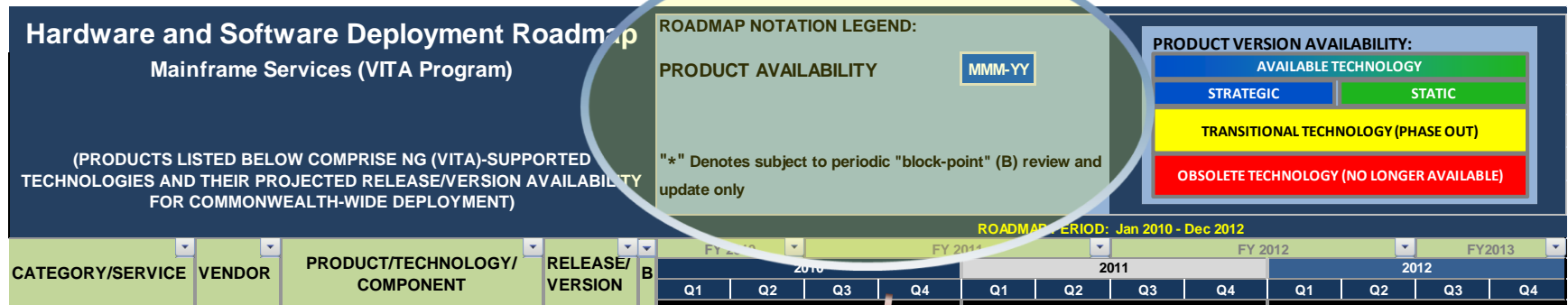
CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	ROADMAP PERIOD: Jan 2010 - Dec 2012												
					FY 2010				FY 2011				FY 2012				FY2013
					2010				2011				2012				
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4						

- Sample Roadmap Header Illustration



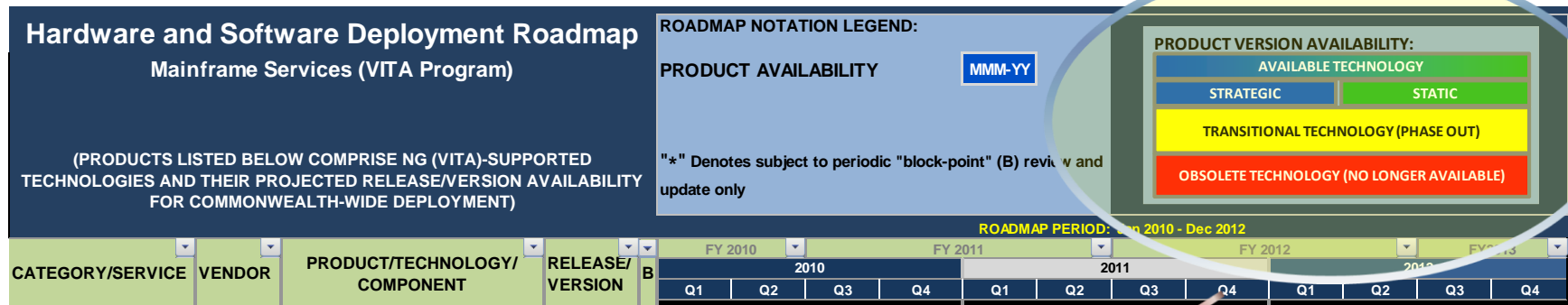
Roadmap Description and Service Area

- Sample Roadmap Header Illustration



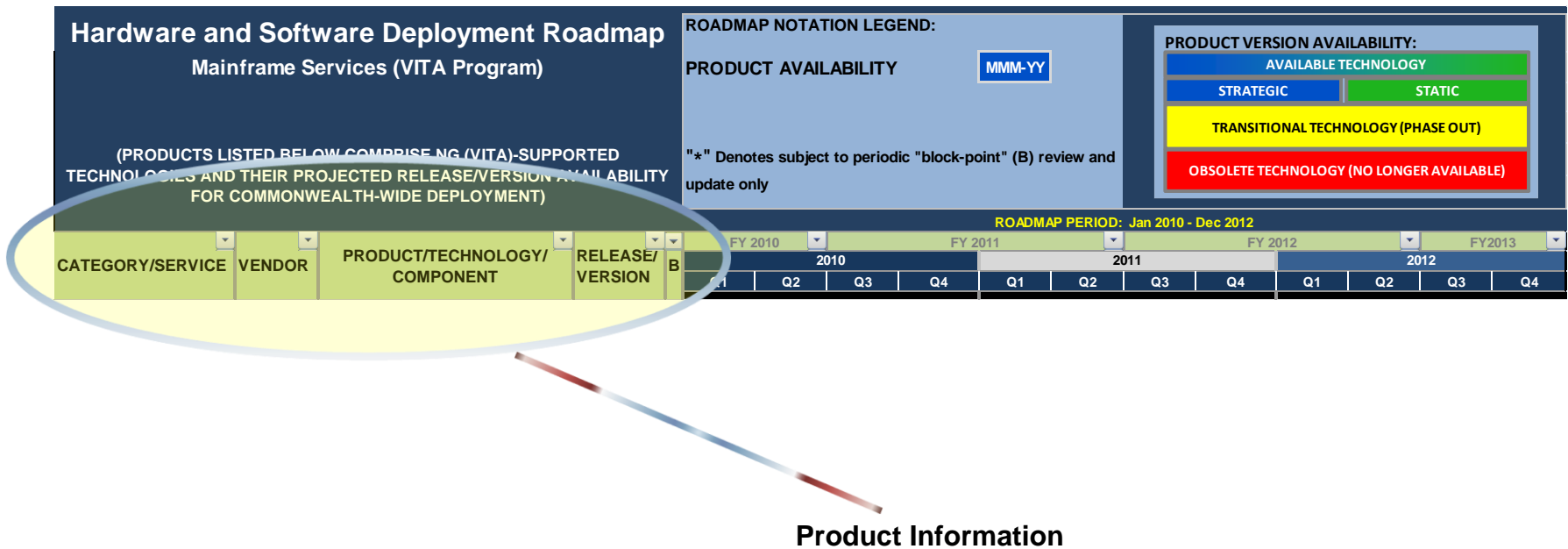
Roadmap Notation Legend

- Sample Roadmap Header Illustration

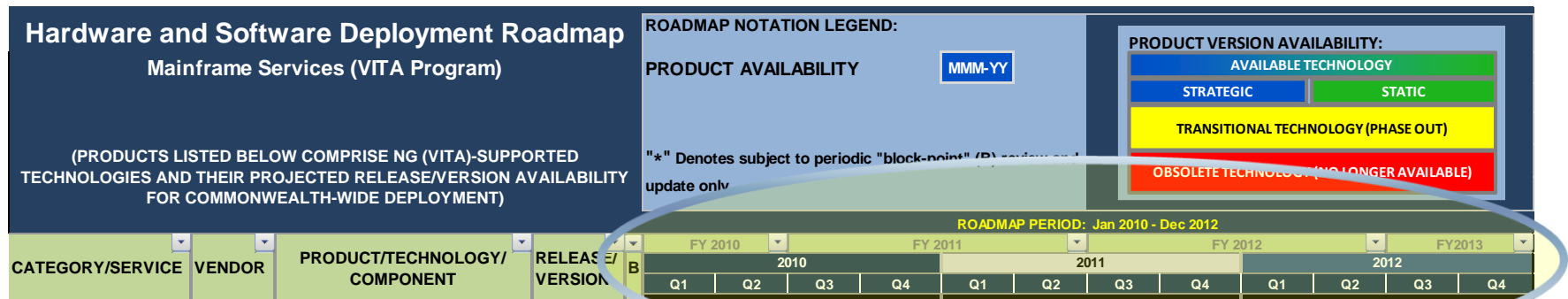


Product Version Availability Legend
(Illustrates Phases of Lifecycle Model Framework)

- Sample Roadmap Header Illustration

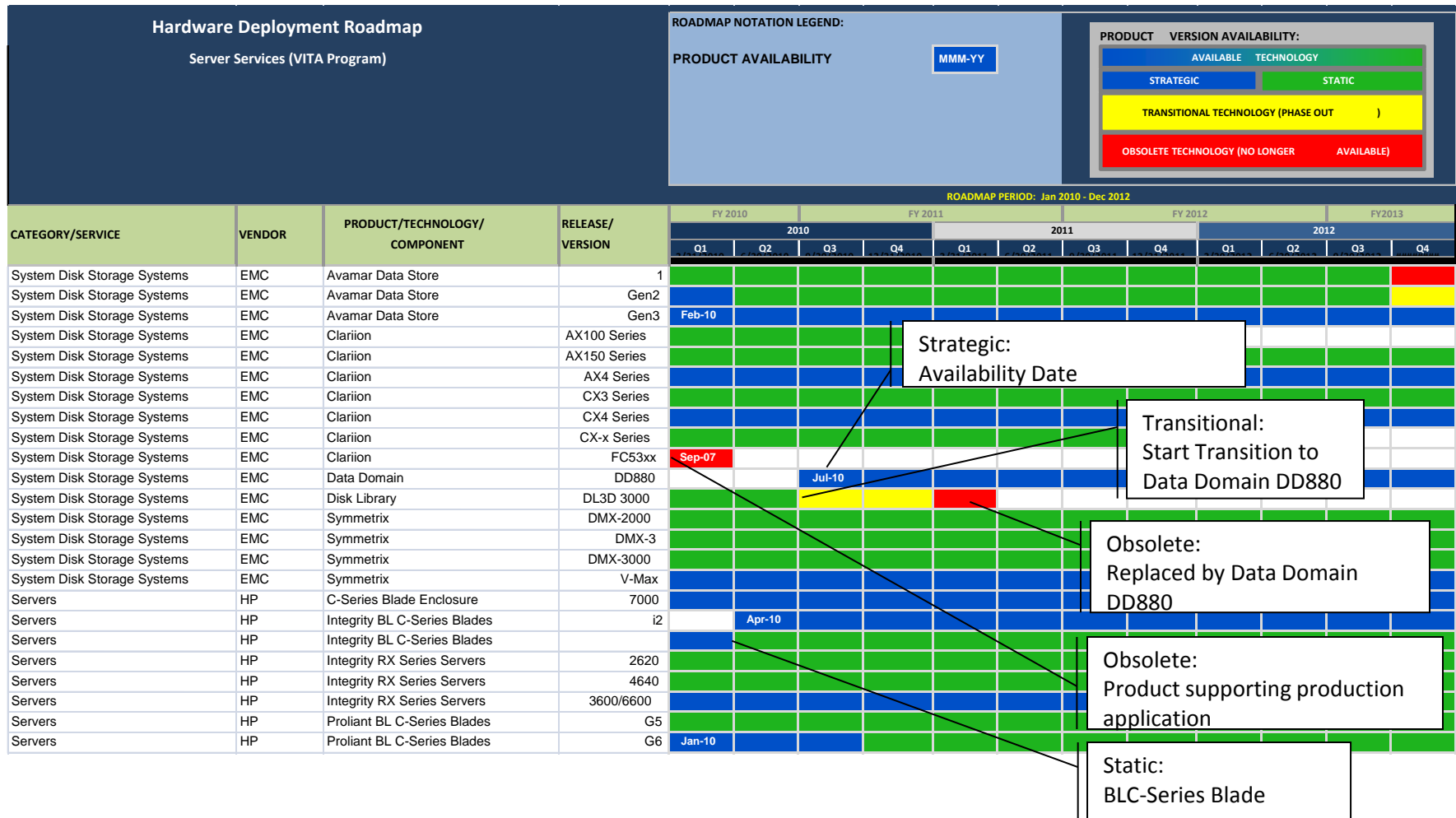


- Sample Roadmap Header Illustration



Roadmap Period and Timeline

How to Use Roadmap



Appendix A

Product Roadmaps (2010 status changes only)

- End User Services – Immediate Term changes to standard product versions (Software)

Software Deployment Roadmap

End User Services (VITA Program)

End User Platform (NG (VITA) Supported Level 2 Load-set)

(PRODUCTS LISTED BELOW COMPRISE NG (VITA)-SUPPORTED TECHNOLOGIES AND THEIR PROJECTED RELEASE/VERSION AVAILABILITY FOR COMMONWEALTH-WIDE DEPLOYMENT)

ROADMAP NOTATION LEGEND:

PRODUCT AVAILABILITY

MMM-YY

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PRODUCT/VERSION AVAILABILITY:

AVAILABLE TECHNOLOGY

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TRANSITIONAL TECHNOLOGY (PHASE OUT)

OBSOLETE TECHNOLOGY (NO LONGER AVAILABLE)

ROADMAP PERIOD: Jan 2010 - Dec 2012

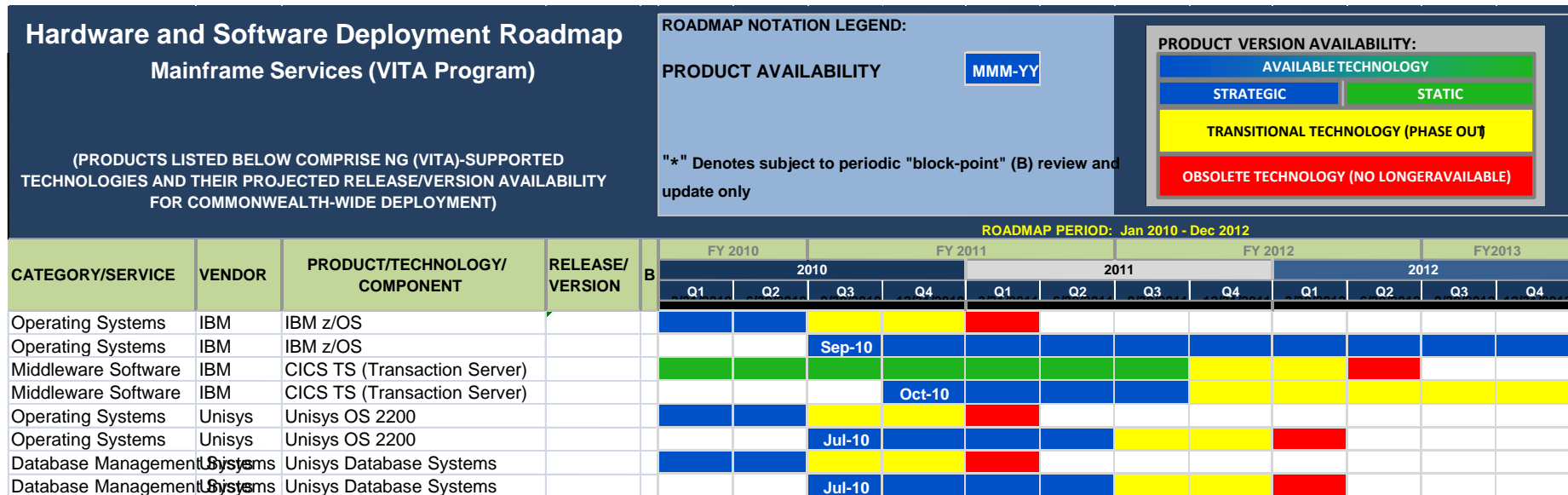
CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	ROADMAP PERIOD: Jan 2010 - Dec 2012															
					FY 2010				FY 2011				FY 2012				FY2013			
					2010				2011				2012							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Personal Productivity	Microsoft	Office Project																		
Personal Productivity	Microsoft	Office Project				Sep-10														
Personal Productivity	Microsoft	Office Visio																		
Personal Productivity	Microsoft	Office Visio				Sep-10														

- End User Services – Immediate Term changes to standard products (Hardware)

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	FY 2010				FY 2011				FY 2012				FY2013			
					2010				2011				2012							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Client Systems	HP	Compaq 2730p																		
Client Systems	HP	Compaq 2740					Jul-10													
Client Systems	HP	Compaq 6930p																		
Client Systems	HP	Compaq 6450					Jul-10													
Client Systems	HP	Compaq 8530p																		
Client Systems	HP	Compaq 8540					Jul-10													
Client Systems	HP	Compaq DC7900																		
Client Systems	HP	Compaq DC8100					Jul-10													

Note: Product roadmaps displayed are draft and pending review

- Mainframe – Immediate Term changes to standard product versions



Note: Product roadmaps displayed are draft and pending review

- Messaging and Directory Services – Immediate Term changes to standard product versions (Software)

Software Deployment Roadmap

Messaging and Directory Services (VITA Program)

(PRODUCTS LISTED BELOW COMPRISE NG (VITA)-SUPPORTED TECHNOLOGIES AND THEIR PROJECTED RELEASE/VERSION AVAILABILITY FOR COMMONWEALTH-WIDE DEPLOYMENT)

ROADMAP NOTATION LEGEND:

PRODUCT AVAILABILITY

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PRODUCT VERSION AVAILABILITY:

AVAILABLE TECHNOLOGY

STRATEGICSTATIC

TRANSITIONAL TECHNOLOGY (PHASE OUT)

OBSOLETE TECHNOLOGY (NO LONGER AVAILABLE)

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	ROADMAP PERIOD: Jan 2010 - Dec 2012															
					FY 2010				FY 2011				FY 2012				FY 2013			
					2010				2011				2012				2013			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Collaboration	RIM	BlackBerry Enterprise Server		*																
Collaboration	RIM	BlackBerry Enterprise Server		*																
Collaboration	Microsoft	Office Communications Server																		
Content Management	Microsoft	Office SharePoint Server																		

Hardware and Software Deployment Roadmap

Network Operations Services (VITA Program)

(PRODUCTS LISTED BELOW COMPRISE NG (VITA)-SUPPORTED TECHNOLOGIES AND THEIR PROJECTED RELEASE/VERSION AVAILABILITY FOR COMMONWEALTH-WIDE DEPLOYMENT)

ROADMAP NOTATION LEGEND:

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TRANSITIONAL TECHNOLOGY (PHASE OUT)

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CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	ROADMAP PERIOD: Jan 2010 - Dec 2012															
					FY 2010				FY 2011				FY 2012				FY 2013			
					2010				2011				2012				2013			
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
Wireless Network Infrastructure	Cisco	Cisco 4400 Wireless Controller																		
Wireless Network Infrastructure	Cisco	Cisco 5508 Wireless Controller																		
Wireless Network Infrastructure	Cisco	Cisco 1242 Wireless Access Point																		
Access Control and Account Management (Cisco Wireless)	Cisco	Cisco 3315 NAC appliance																		

Note: Product roadmaps displayed are draft and pending review

- Security Services – Immediate Term changes to standard product versions

• Redacted by VITA Security

- Server Services – Immediate Term changes to standard products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION	B	FY 2010				FY 2011				FY 2012				FY 2013			
					2010				2011				2012							
					Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
System Disk Storage Systems	EMC	Data Domain	DD880				Jul-10													
Operating Systems	HP	HP-UX	11i V2																	
Resources Device Security	Symantec	Symantec Antivirus Corporate Edition	10.x		Jan-10															
Servers	HP	Proliant BL C-Series Blades	G7				Sep-10													

Note: Product roadmaps displayed are draft and pending review

Appendix B

(Example Product Profile)

Product Profile (Sample)

End User Services Software Roadmap							
ROADMAP PERIOD: Jan 2010 - Dec 2012							
CURRENT PRODUCT	VENDOR: Microsoft			PRODUCT: Windows			
	VERSION or RELEASE: XP			MAINTENANCE LEVEL: SP 3			
	NG/VITA AVAILABILITY START DATE: N/A	NG/VITA PRODUCT STATIC DATE: N/A		NG/VITA TRANSITION START DATE: Y2011 Q2	NG/VITA OBSOLETE DATE: Y2012 Q2		
PRODUCT PROFILE INFORMATION	Product/Technology Description: This technology serves as an interface between hardware and user which is responsible for the management and coordination of activities and the sharing of the resources of the computer that acts as a host for computing applications running on the machine. Windows is a line of operating systems produced by Microsoft for use on workstation and other computing devices.						
	Industry and Availability Considerations: Industry recommendation for Microsoft Windows 7 version introduction typically requires 12 to 18 months in preparation once Windows 7 is GA until critical vendors are supported on the new OS, and organizations can do their application testing, image building, piloting, and remediation. Testing of applications will continue during calendar years 2009 and 2010, with remediation occurring per agency over the transition period. Full migrations (transition) off of XP are expected to extend beyond the roadmap period.						
	NG/VITA and Deployment Considerations Influencing Version Change: The primary driver and the main objective for which the Commonwealth needs to plan is to eliminate Windows XP in the end user computing environment prior to Microsoft no longer supporting it with security fixes, and before independent software vendors (ISVs) no longer ship desirable new products and capabilities required by Commonwealth agencies. Planned infrastructure changes on the back-end that require specific feature-sets and functionality on the client end will also be a significant technological driver for NG/VITA to evaluate new product/version introductions. Agency-specific requirements and application compatibility will directly affect the transition of product versions. Preparation, impact and risk associated with the change must be assessed as product maturation occurs that will determine the relative duration of transition.						
TARGET PRODUCT	VENDOR: Microsoft			PRODUCT: Windows			
	VERSION/RELEASE: 7	MAINTENANCE LEVEL: 0		NG/VITA AVAILABILITY START DATE: Y2011 Q2	NG/VITA OBSOLETE DATE: N/A		

Appendix C

(Product List: Strategic Products only)

End User Services

Hardware Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT
Client Systems	HP	Compaq 2740
Client Systems	HP	Compaq 6000p
Client Systems	HP	Compaq 6450
Client Systems	HP	Compaq 8540
Client Systems	HP	Compaq DC8100
Document and Imaging Hardware	HP	Color LaserJet Printer 3800dn (Q5983A)
Document and Imaging Hardware	HP	LaserJet Multifunction M2727(CB532A)
Document and Imaging Hardware	HP	LaserJet Printer 3005dn (Q5959A)
Document and Imaging Hardware	HP	LaserJet Printer 9050dn (Q3723A)
Document and Imaging Hardware	HP	LaserJet Printer P4015N (CB509A)
Document and Imaging Hardware	HP	LaserJet s mfp M4345 x (CB427A)
Document and Imaging Hardware	Xerox	WorkCentre 7428 (WC7428P)
Document and Imaging Hardware	Xerox	WorkCentre 5632 (W5632PT)
Document and Imaging Hardware	Xerox	WorkCentre 5645 (W5645PT)
Document and Imaging Hardware	Xerox	WorkCentre 5675 (W5675PT)
Document and Imaging Hardware	Xerox	WorkCentre 7346 (W7346P)
Document and Imaging Hardware	Xerox	WorkCentre 7665 (W7665P)

Software Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
IT Resource Management	Symantec	Altiris Client Management Suite	
Operating Systems	Microsoft	.NET	
Operating Systems	Microsoft	DirectX	
Operating Systems	Microsoft	File Compression	
Operating Systems	Microsoft	Installer	
Operating Systems	Microsoft	Media Player	
Operating Systems	Microsoft	MSXML Parser	
Operating Systems	Microsoft	VB Runtime	
Operating Systems	Microsoft	Windows	
Personal Productivity	Adobe	Authorware	
Personal Productivity	Adobe	Flash Player	
Personal Productivity	Microsoft	Internet Explorer	
Personal Productivity	Microsoft	Office Professional Suite	
Personal Productivity	Microsoft	Office Project	
Personal Productivity	Microsoft	Office Visio	
Personal Productivity	Apple	Quicktime Player	
Personal Productivity	Adobe	Reader	
Personal Productivity	RealNetworks	RealPlayer	
Personal Productivity	Sonic	Roxio Suite for HP	
Personal Productivity	Adobe	ShockWave	
Personal Productivity	Microsoft	Visio Viewer	
Personal Productivity	Corel	WinDVD	
Resources Device Security	Symantec	Guardian Edge Hard Disk	
Service Management	SupportSoft	eSupport (client)	

Mainframe Services

Hardware Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Routers and Switches	IBM	Open Systems Adapter (Ethernet) HW	
Servers	IBM	IBM	
Servers	Unisys	Unisys Dorado	
System Tape Storage Systems	IBM	IBM Virtual Tape HW/SW	
System Tape Storage Systems	EMC & BusTech	Unisys Virtual Tape HW/SW	

Software Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Access Control and Account Management	CA	Access Control Facility	
Access Control and Account Management	Unisys	Unisys Security Administration Products	
Availability and Performance Management	BMC	BMC Control-O	
Availability and Performance Management	CA	NetSpy	
Availability and Performance Management	IBM	Omegamon	
Availability and Performance Management	TeamQuest	OSAM	
Availability and Performance Management	SightLine	SightLine host agent and client	
Availability and Performance Management	Compuware	Strobe	
Availability and Performance Management	CA	SYSVIEW	
Capacity Management	CA	MICS	
Capacity Management	SightLine	Torch	
Data Administration and Utilities	Compuware	File-Aid / MVS	
Data Transfer Technology	Sterling Commerce	Connect:Direct	
Data Transfer Technology	Proginet	CyberFusion	
Data Transfer Technology	Sterling Commerce	Gentran:Basic	
Data Transfer Technology	PKWARE	PKZIP for z/OS	
Database Management Systems	Software AG	ADABAS	
Database Management Systems	Unisys	Business Information Systems for OS	
Database Management Systems	IBM	DB2 for z/OS	
Database Management Systems	Unisys	Unisys Database Systems	
Development Tools	CA	TELON	
Enterprise Job Management	BMC	BMC Control-M	
Enterprise Job Management	BMC	BMC Control-R	
Enterprise Job Management	BMC	BMC IOA CONTROL Suite	
Enterprise Job Management	BMC	Control-M/Enterprise Manager	
Middleware Software	Software AG	Com-plete	
Middleware Software	IBM	WebSphere Application Server	
Operating Systems	IBM	IBM z/OS	
Operating Systems	Unisys	Unisys OS	
Output Management	BMC	BMC Control-D	
Storage Management	Formula Consultants	STAR	
Storage Management	CA	Tape Management System	

Messaging and Directory Services

Hardware Products – N/A

Software Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Availability and Performance Management	Quest	MessageStats	
Availability and Performance Management	Quest	Recovery Manager for Active Directory	
Availability and Performance Management	Quest	Recovery Manager for Exchange	
Availability and Performance Management	Quest	Reporter	
Availability and Performance Management	Quest	Spotlight on Active Directory	
Availability and Performance Management	Quest	Spotlight on Exchange	
Collaboration	RIM	BlackBerry Enterprise Server	
Collaboration	IronPort	C650	
Collaboration	Microsoft	Exchange Server	
Collaboration	Microsoft	Office Communications Server	
Content Management	Microsoft	Office SharePoint Server	
Data Transfer Technology	Quest	Migration Suite for Exchange	
Data Transfer Technology	Quest	Domain Migration Wizard	
Data Transfer Technology	Quest	Exchange Migration Wizard	
Data Transfer Technology	Quest	GroupWise Migrator for Exchange	
Data Transfer Technology	Quest	Migration Manager for Active Directory	
Data Transfer Technology	Quest	Migration Manager for Exchange	
Data Transfer Technology	Quest	Migration Suite for Active Directory	
Data Transfer Technology	Quest	NDS Migrator	
Data Transfer Technology	Quest	Notes Migrator for Exchange	
Directory Management Services	Quest	ActiveRoles Direct	
Directory Management Services	Quest	ActiveRoles Server	
Directory Management Services	Microsoft	Forefront Identity Manager	
Directory Management Services	Quest	Group Policy Manager	
Directory Management Services	Quest	InTrust	
Directory Management Services	Microsoft	Windows Server	
Personal Productivity	Captrix	RightFax	

Network Operations Services

Hardware Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Enterprise DHCP Service	InfoBlox	InfoBlox DHCP	
Network Analysis	IXIA	Chariot	
Network Analysis	Fluke	Optiwin Series III	
Network Operations Management	Cisco	ACE-20	
Network Router	Cisco	Cisco Router	
Network Router	Cisco	Cisco Router	
Network Router	Cisco	Cisco Router	
Network Router	Cisco	Cisco Router	
Network Router	Cisco	Cisco Router w/ Single Sup Eng	
Network Router	Cisco	Cisco ASR Router	
Network Switch	Cisco	Cisco Switch	
Network Switch	Cisco	Cisco Switch	
Network Switch	Cisco	Cisco Switch w IP SSH	
Network Switch	Cisco	Cisco Switch w IP SSH	
Network Switch	Cisco	Cisco Nexus	
Network Switch	Cisco	Cisco Nexus	
Network Switch	Cisco	Cisco Nexus 7	
Wireless Network Infrastructure	Cisco	Cisco Wireless Access Point	
Wireless Network Infrastructure	Cisco	Cisco Wireless Access Point	
Wireless Network Infrastructure	Cisco	Cisco Wireless Controller	

Software Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Access Control and Account Management (Guest Wireless)	Cisco	Cisco NAC appliance	
Availability and Performance Management	OPNET	ACE – Analyst	
Availability and Performance Management	OPNET	ACELive	
Capacity Management	CACTI	CACTI	
Capacity Management	OPNET	IT Guru	
Capacity Management	NetFlow	Scrutinizer	
Configuration Management	Cisco	Cisco Works Assistant	
Configuration Management	Cisco	Cisco Works Campus Manager	
Configuration Management	Cisco	Cisco Works CiscoView	
Configuration Management	Cisco	Cisco Works Common Services	
Configuration Management	Cisco	Cisco Works Interwork Performance Monitor	
Configuration Management	Cisco	Cisco Works LMS	
Configuration Management	Cisco	Cisco Works LMS Portal	
Configuration Management	Cisco	Cisco Works Resource Manager Essentials	
Configuration Management	OPNET	IT NetMapper	
Configuration Management	OPNET	IT Sentinel	
Data Management	OPNET	VNE Server	
IT Resource Management	Cisco	Cisco Network Collector	
Network Operations Management	Cisco	ACE Software	
Network OS	Cisco	Cisco NX-OS	
Network OS	Cisco	Cisco NX-OS	
Network OS	Cisco	IOS	
Network OS	Cisco	IOS SRC	
Network OS	Cisco	IOS SWF	
Network OS	Cisco	IOS with DLSW	
Network OS	Cisco	IOS with IP Service SSH	
Network OS	Cisco	IOS with SRST	
Virtual Network Switch	Cisco	Cisco Nexus 1000V	

Server Services

Hardware Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Servers	HP	C-Series Blade Enclosure	
Servers	HP	Integrity BL C-Series Blades	
Servers	HP	Integrity RX Series Servers	
Servers	HP	Proliant BL C-Series Blades	
Servers	HP	Proliant BL C-Series Blades	
Servers	HP	Proliant DL Series Servers	
Servers	HP	Proliant ML Series Servers	
System Disk Storage Systems	EMC	Avamar Data Store	
System Disk Storage Systems	EMC	Clariion	
System Disk Storage Systems	EMC	Clariion	
System Disk Storage Systems	EMC	Data Domain	
System Disk Storage Systems	EMC	Symmetrix	

Software Products

CATEGORY/SERVICE	VENDOR	PRODUCT/TECHNOLOGY/ COMPONENT	RELEASE/ VERSION
Database Management Systems	Microsoft	SQL Server	
IT Resource Management	VMWare	VCenter Lab Manager	
IT Resource Management	VMWare	VCenter Lifecycle Manager	
IT Resource Management	VMWare	VCenter Server	
Operating Systems	IBM	AIX	✓
Operating Systems	IBM	AIX	✓
Operating Systems	Red Hat	Enterprise Linux	
Operating Systems	Red Hat	Enterprise Linux	
Operating Systems	HP	HP-UX	
Operating Systems	HP	HP-UX	
Operating Systems	Oracle	Solaris	✓
Operating Systems	Oracle	Unbreakable LINUX	
Operating Systems	Microsoft	Windows Server	
Operating Systems	Microsoft	Windows Server	
Resources Device Security	Symantec	Symantec Antivirus Corporate Edition	
Storage Management	EMC	Avamar	✓
Storage Management	EMC	EMC ControlCenter	
Storage Management	VMWare	VCenter Site Recovery Manager	
Virtualization Infrastructure Management	VMWare	ESX	